

FIG. 1

Id: 5'-

CTGGGATCCATCGAGGGTAGGATGCTGAAAGAAAAGAAGTACTCCCCGTCCTCTC-3'

Ir: 5'-

GTACTCCCCGTCCTCTCTGAAAGACCGTCACGACTTCGATCCGGGCGACCCAG-3'

IId: 5'-GAAGTGTCTCCGCTGAAAGACCGTCACAGCTTCTAGAAGCTTGCGGC-3'

IIr: 5'-GCCGCAAGCTTCTAGAAGCTGTGACGGTCTTTCAGCGGAGACACTTC-3'

FIG. 2

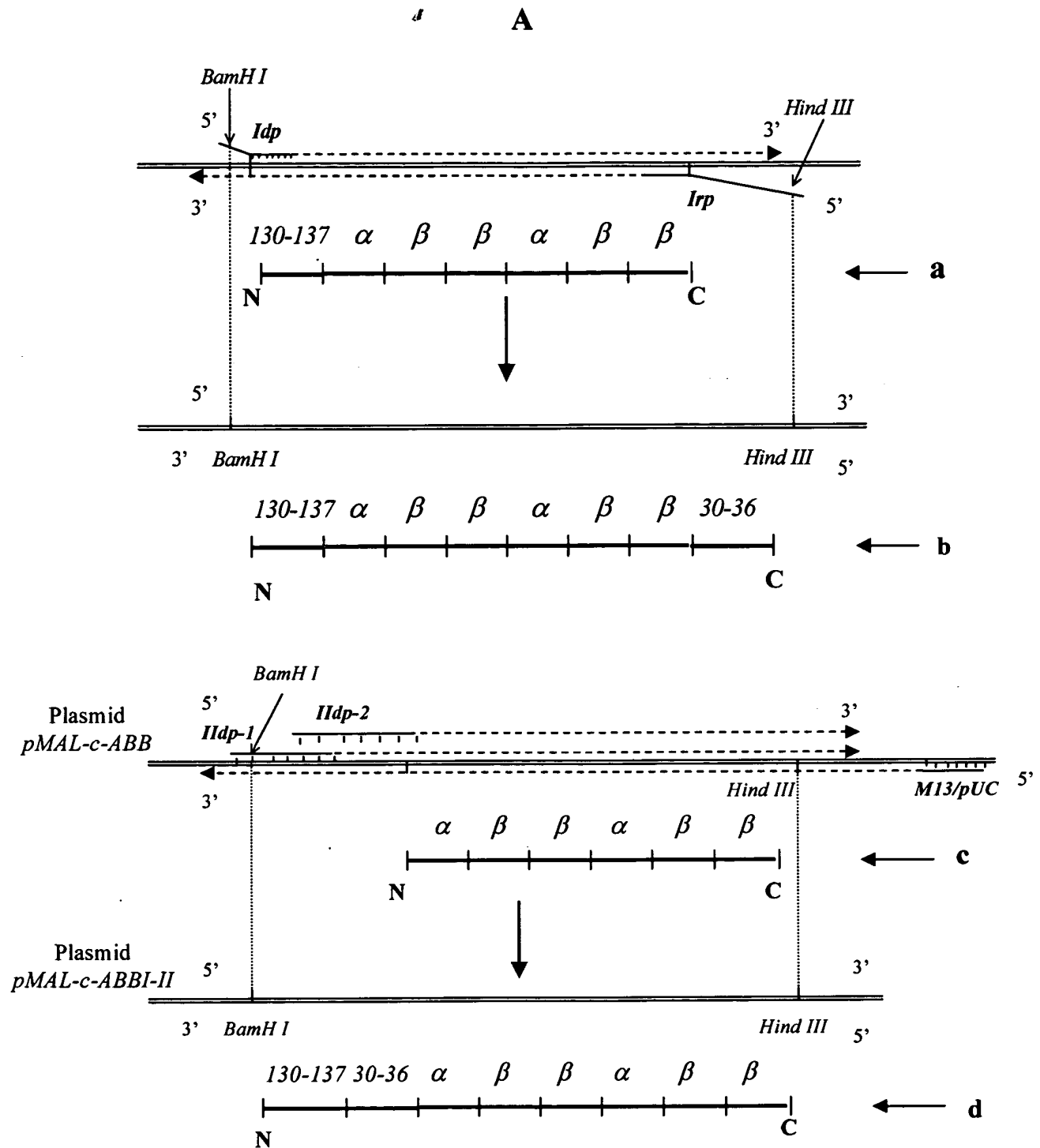


FIG. 3 A and B

C

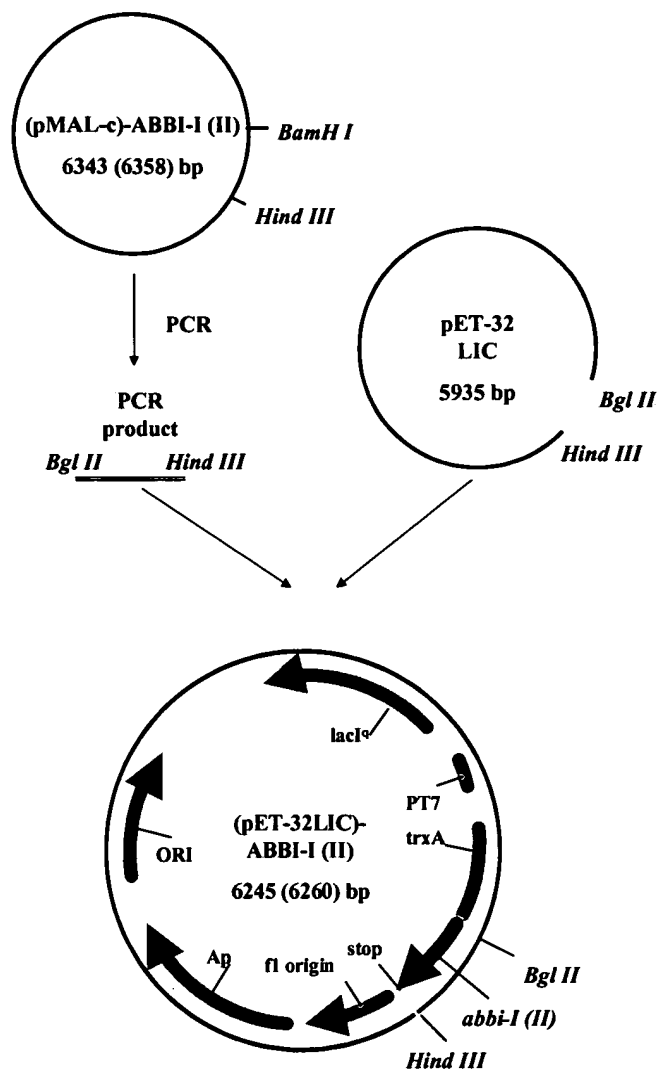
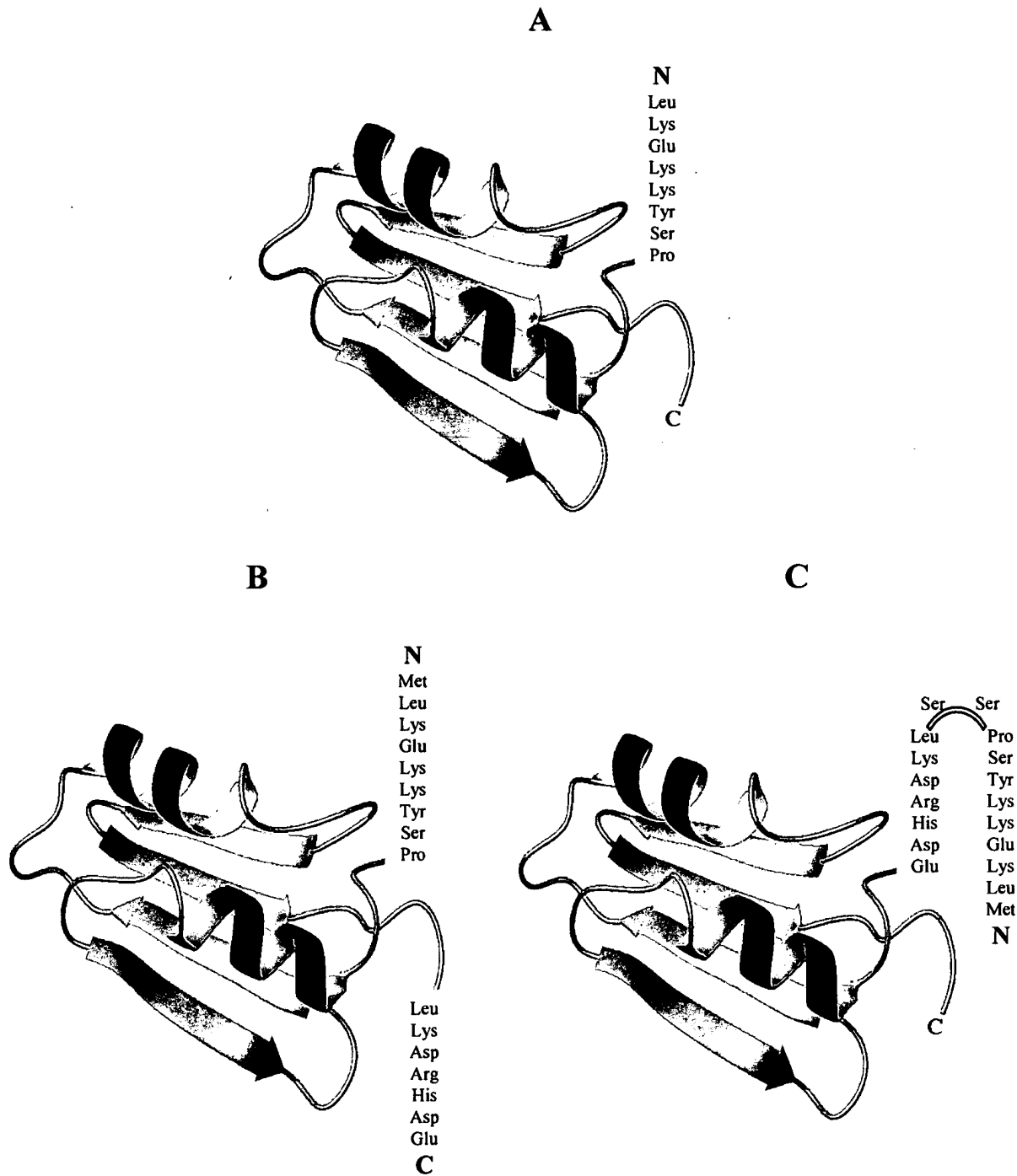


FIG. 3C

**FIG. 4**

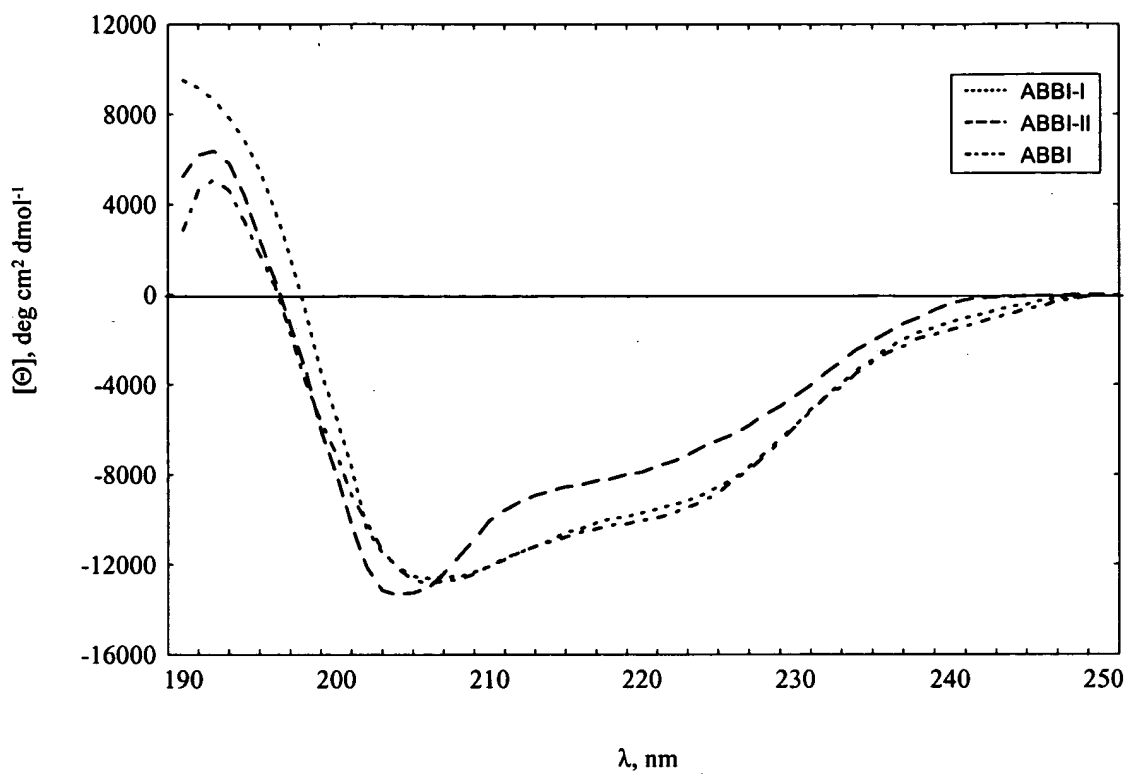


FIG. 5

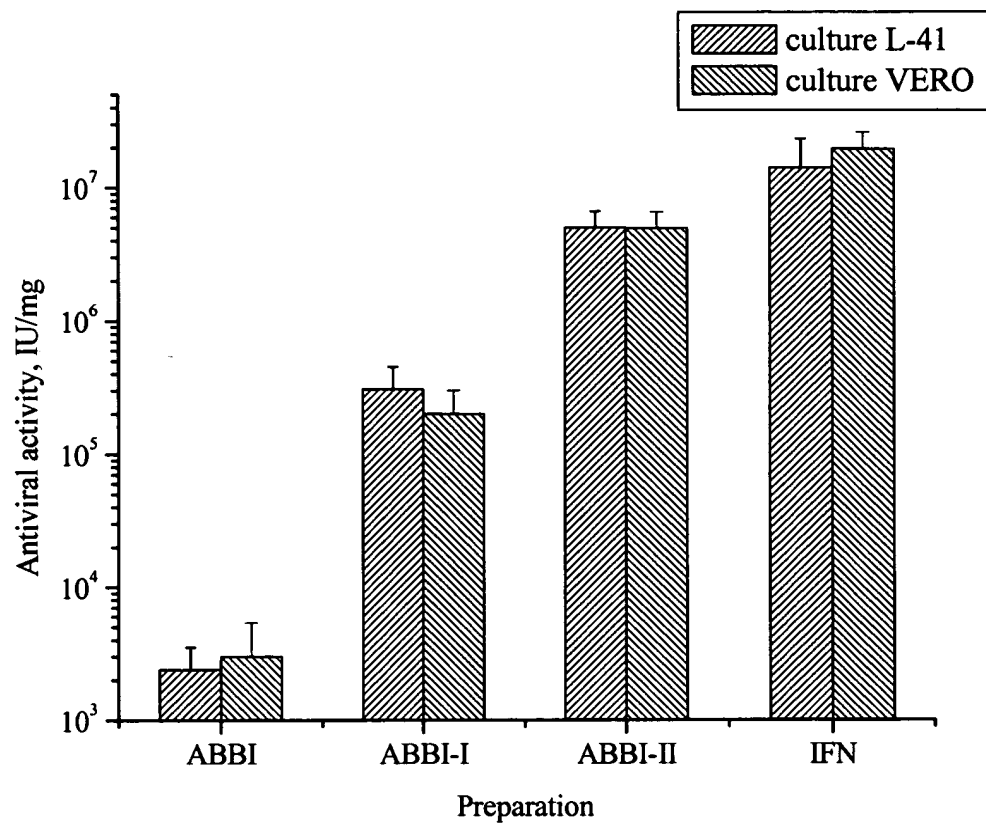
Preparation	Composition of regular structure, %	
	α -structure	β -structure
Albebetin _{teor} [#]	30	36
Albebetin	29	40
Albeferon	27	35
Albeferon-I	30	29
Albeferon-II	23	38

[#] Obtained from theoretical analysis of the pre-designed structure of albebetin.

FIG. 6

Preparation	Antiviral activity (minimal concentration, M)	
	Culture L-41	culture VERO
Albeferon	$1.3 \pm 0.61 \times 10^{-5}$	$8.5 \pm 6.8 \times 10^{-5}$
Albeferon-I	$2.9 \pm 1.36 \times 10^{-8}$	$1.5 \pm 0.73 \times 10^{-8}$
Albeferon-II	$1.4 \pm 0.45 \times 10^{-10}$	$1.4 \pm 0.46 \times 10^{-10}$
Interferon- α_2	$5.5 \pm 3.57 \times 10^{-11}$	$1.1 \pm 0.36 \times 10^{-11}$
Interferon- γ	$1.1 \pm 0.51 \times 10^{-10}$	$1.5 \pm 0.92 \times 10^{-9}$

FIG. 7

**FIG. 8**

Preparation	Cytotoxic dose (CTD ₅₀), M	
	culture L-41	culture VERO
Albebetin	$\geq 8.7 \times 10^{-5}$	$\geq 8.5 \times 10^{-5}$
Albeferon	$\geq 8.8 \times 10^{-5}$	$\geq 8.8 \times 10^{-5}$
Albeferon-I	$\geq 8.9 \times 10^{-5}$	$\geq 9.0 \times 10^{-5}$
Albeferon-II	$\geq 1.4 \times 10^{-4}$	$\geq 1.2 \times 10^{-4}$

FIG. 9

Preparation	Antiviral activity (minimal concentration, M)	
	culture L-41	culture VERO
Peptide LKEKKYSP	$1.2 \pm 0.44 \times 10^{-5}$	$7.2 \pm 5.9 \times 10^{-5}$
Peptide LKDRHDF	$3.1 \pm 1.27 \times 10^{-8}$	$1.8 \pm 0.81 \times 10^{-8}$
Peptide LKEKKYSP-Ser-Ser- LKDRHDF	$1.2 \pm 0.43 \times 10^{-10}$	$1.3 \pm 0.51 \times 10^{-10}$
Interferon- α_2	$5.0 \pm 3.49 \times 10^{-11}$	$1.3 \pm 0.33 \times 10^{-11}$

FIG. 10

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